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PHYTOCHEMISTRY

AIMS AND SCOPE

Phytochemistry is the international journal of plant biochemistry and molecular biology, published 18 times per annum by Elsevier Science. It is the official organ of 'The Phytochemical Society of Europe' and 'The Phytochemical Society of North America'. It is intended to cover research on all aspects of pure and applied plant biochemistry, especially that which leads to a deeper understanding of the factors underlying the growth, development and metabolism of plants and the chemistry of plant constituents. The journal is currently divided into eight sections, as indicated below, but papers which cut across these sections or which are on any other aspect of plant biochemistry will also be considered.

Review articles are published at regular intervals and they cover almost every aspect of the subject from primary metabolism and regulation of plant growth through plant enzymology to natural product chemistry. They deal with significant new areas of research and are intended to command the interest of the general reader. Authors should consult the editors before preparing such articles, by submitting an outline of their proposed review.

The *Growth and Metabolism* section contains papers on: plant molecular biology, nucleic acids, proteins, recognition molecules; photosynthesis, carbohydrate, lipid and nitrogen metabolism; plant membranes, cell walls, growth hormones and their structure–activity relationships; all aspects of plant enzymology, including the description of new enzymes; and the general biochemistry of plant growth from seed germination, leaf development, flowering and fruiting to seed ripening.

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The *Biosynthesis* section principally contains papers on the biosynthesis of secondary plant constituents in both microbial systems and in higher plants. It may also include papers on the genetic control of biosynthesis, on biosynthetic inter-relationships and on the methodology of biosynthesis.

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The *Chemotaxonomy* section contains papers on the comparative biochemistry of plants. These may range from distributional studies on low molecular weight compounds in a group of fungi, algae or higher plants to the amino acid sequencing of seed lectins. Papers on infraspecific chemical variation are also included here.

The *Bioactive Plant Products* section contains papers on novel plant chemistry, where the biological activities of one or more of the new plant compounds are described. Bioassay data should include comparable results for a known agent, so that the reader can judge the relative importance of any new finding. Full experimental details of the biological tests should be provided.

The *Plant Chemistry* section is arranged in an ordered sequence and contains papers on: growth substances, macromolecules, primary metabolites, terpenoids, polyketides, phenylpropanoids, flavonoids, alkaloids and compounds of mixed biosynthetic origin. Authors investigating the chemistry of a given plant species should aim to publish their results in a single manuscript rather than in a series of papers, describing each new compound as it is found. The structural analysis of new plant substances is now so routine that papers reporting a single novel compound of expectable structure (e.g. a new triterpene fatty acid ester) are rarely acceptable, unless other novel information on the plant is included.

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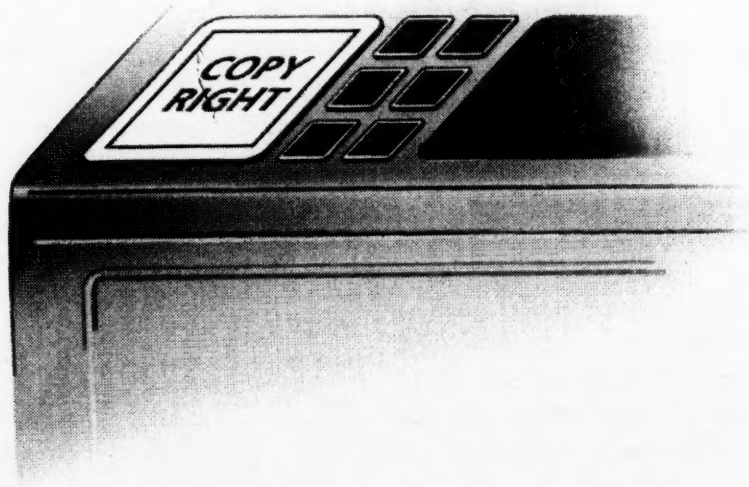
Special Publications are published at regular intervals. Papers appearing under this heading will have received accelerated publication due to their particular significance in the field of plant biochemistry.

Book Reviews are published regularly and the editor-in-chief welcomes the submission to the Reading office of new books for review. Symposia and Society announcements will be published, at the discretion of the editors. Preliminary communications and letters to the editor will not, however, be considered.

Authors should consult the latest Instructions list (see *Phytochemistry* Vol. 44, No. 1, pp. 1–6, 1997) before preparing their manuscripts. All contributions must be in English and should be submitted to either the *Editor-in-Chief*, Prof. J. B. Harborne, Plant Science Laboratories, The University, Reading, RG6 2AS, U.K., telephone (U.K.) +44 (01)734 318160, fax (U.K.) +44 (01)734 753676, or to the *Associate Editor (North America)*, Prof. N. G. Lewis, Institute of Biological Chemistry, Washington State University, Pullman, WA 99164-6340, U.S.A., telephone (U.S.A.) +1 509 335 3412, fax (U.S.A.) +1 509 335 7643.



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